SLIT + 2 = . 5 SplitDart Aerospace Ltd.

1/8/2008 1:20:00 PM - .conston **Process Sheet** : BRACKET ASSEMBLY Drawing Name : CU-DAR001_Dart Helicopters Services : 10278 ===ate Number Part Number : D3121141 2 O. Number D3121 REV E Drawing Number : 1/8/2008 S.O. No. : This issue Project Number : N/A Frsht Rev. : NC MACHINED PARTS : E : 11 Type Drawing Revision First Issue : 36629 Material Previous Run : 2/15/2008 Qty: Due Date Written By Checked & Approved By Est Felt 9/6+ 4, 04,02,18 New issue KJ/DS Comment Est Fe. E EC1, 1060 07-11-12 DD verified by: EC Additional Product Job Number Description: Seg. = Machine Or Operation: 17-4 SS Bar Comment: Qty.: 0.5775 f(s)/Unit Total: 23.1000 f(s) Material: 17-4 SS Bar per AMS 5604/5643 (M17-4-B1.000x02.000) Identify for D3121-111 Batch: 122476 20 BAND SAW Comment: BAND SAW Cut blanks: (1.000" x 2.000") 6.600" long HAAS CNC VERTICAL MACHINING #1 Comment: HAAS CNC VERTICAL MACHINING #1 1-Machine D3121-111 as per Folio FA361 and Dwg D3121Identify as D3121-111 2-Deburr 3-Scribe batch number INSPECT PARTS AS THEY COME OFF MACHINE 40 Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Pasa

Frim minness

2008 1:20:00 PM **Process Sheet** Drawing Name: BRACKET ASSEMBLY U-DAR001 Dart Helicopters Services Part Number: D3121141 -per: 36663 Description: Machine Or Operation: Seq. #: SECOND CHECK 5.0 Comment: SECOND CHECK D312121 6.0 1.0000 Each(s)/Unit Total: 40.0000 Each(s) Comment: Qty.: Description Batch B36668 (6), B37418 Pick: Qty Part Number 1 D3121-21 Bearing Assembly 70 D3121241 1.0000 Each(s)/Unit Total: 40.0000 Each(s) Comment: Qty.: 1337475 Pick: Description Batch Qty Part Number 1 D3121-241 Bearing Ass 8.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble D3121-141 as per Dwg D3121 9.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 PACKAGING 1 100 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 11.0 Comment: FINAL INSPECTION/W/O RELEASE m= 2008/2/25 Job Completion

AT AEROSPACE LTD	Work Order:	36663
ascription: Bracket	Part Number:	D31::1-111
nspection Dwg: D3121 Rev: DE VS 08.0		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

	1 T	
X	First Article	Prototype

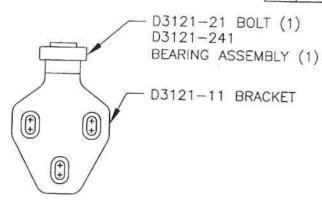
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.392	+0.002/-0.000	.372				
0.75	+/-0.030	75-1	/			
0.375	+/-0.010	376	/			
2.14	+/-0.030	2.140	1			
0.950	+/-0.010	.952	1			
0.600	+/-0.010	.609	1			
1.96	+/-0.030	1.7EZ	1			
0.280	+/-0.010	0.287	~			
3.330	+/-0.010	3.330	/			
3.630	+/-0.010	3.635	1			
R0.25	+/-0.030	R. 250	/			
R0.375	+/-0.010	R. 375	/			
Ø0.201	+0.005/-0.000	,204	1			
0.100	+/-0.010		1			
41580	+1-0.0:0	4.575	/			
6.18	+/-0.030	6.133	-			
5.89	+/-0.030	5.895	/			
0.080	+/-0.010	.078	/			
0.300	+/-0.010	.30/	1			
30°	+/-0.1°	300	1			
R0.25	+/-0.030	R.210	1			
0.130	+/-0.010	.124	1			
0.381	+/-0.010	.389	1			
-0.281 0.201	+/-0.010	.204				
0.400	+/-0.010	.404	1			
0.580	+/-0.010	524	1			
100°	1/-1-1-1-0-10	1000	/			***************************************
	+0.000 -0.010		/			

Meas	ured by:	2 5	Audited by:	Sect.	Prototype Approval	: N/A
		18/02/09		2/02/12	Date	: N/A
Rev	Date	Change	J		Revised b	y Approved
Α	04.01.12 New Issue P/O D3121-141			KJ/RF		
B 04.05.05 Dimensions changed/re-arranged per Dwg revision			n KJ/JLM	10 01		
C			KJ/JLM o	SA SAIL		

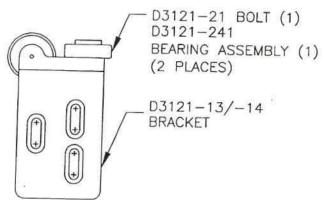


DESIGN #	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO. REV
DATE 07.11.07	7 A/1	BRACKET ASSEMBLY
Α	02.04.15	NEW ISSUE
В	03.01.16	ADD RIDGES; ADD MAT'L PROP; FIX P/ ADD -141/-143/-144/-145/-146
С	04.02.17	ADD CLEARANCE; USE -241 BEARING
D	06.05.17	D3121-25 CAP WAS 1.024, NOW 1.000
E	07.11.07	ADD TOLERANCE TO 0.032 (DETAIL B)



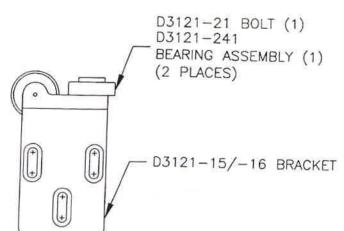


D3121-041 BRACKET ASSEMBLY (REPLACES PREMIER P/N B30-23000-33)



D3121-043 (SHOWN) / D3121-044 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-37/-38)



D3121-045 (SHOWN) / D3121-046 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-35/-36)

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DATE 07.11.07	IN.	TITLE BRACKET ASSEMBLY	



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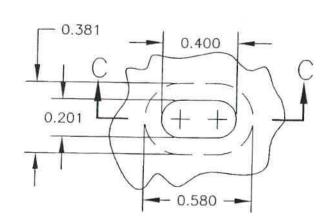
D3121-115/-116

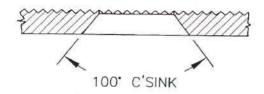
BRACKET



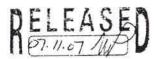
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DATE		TITLE	5
07.11.07		BRACKET ASSEMBLY	

DETAIL A: SLOT DETAIL SCALE 2:1 VIEW ROTATED

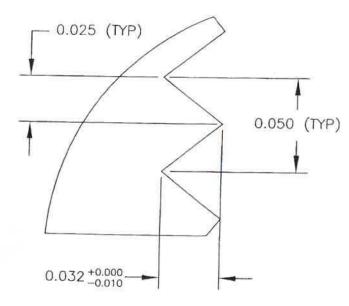




SECTION C-C



DETAIL B: RIDGE DETAIL PARTIAL SECTION SCALE 1:20

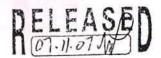


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DATE	ID.	TITLE BRACKET ASSEMBLY	SCALE 1:2
07.11.07		BRACKET ASSEMBLE	



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DAVST

D3121-13

1.220 - 1.800 -

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(†)

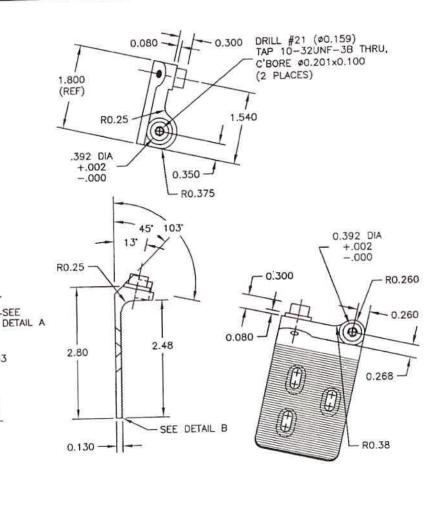
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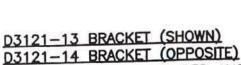
6

1.280 0.960

0.330

0.400 -





1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE STRENGTH = 150 ksi

MIN YIELD TENSILE STRENGTH = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.015

5) ENGRAVE DART P/N & LOGO AS SHOWN

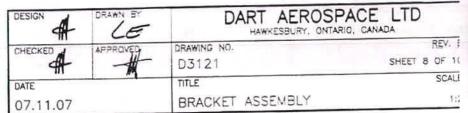
6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

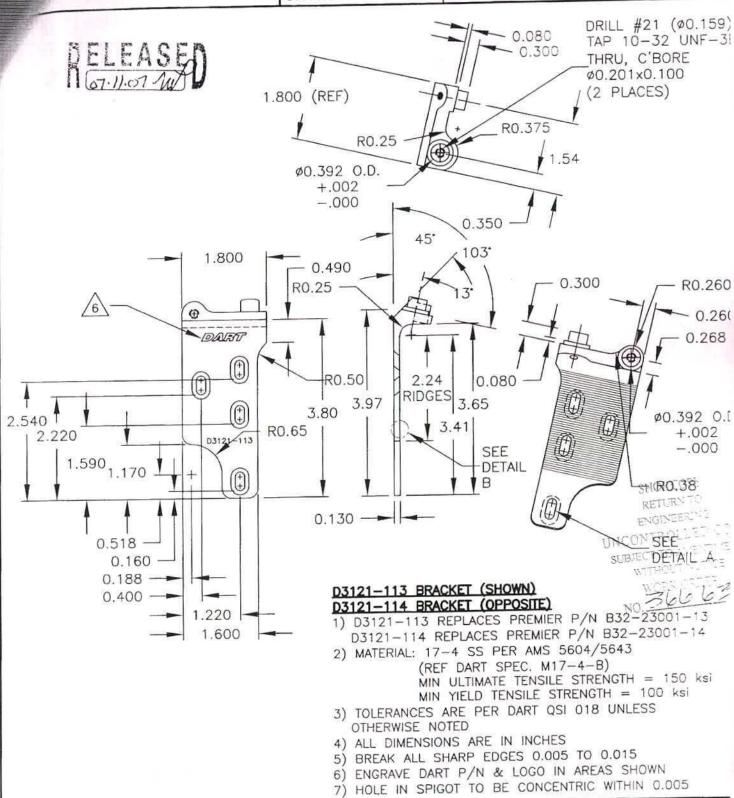
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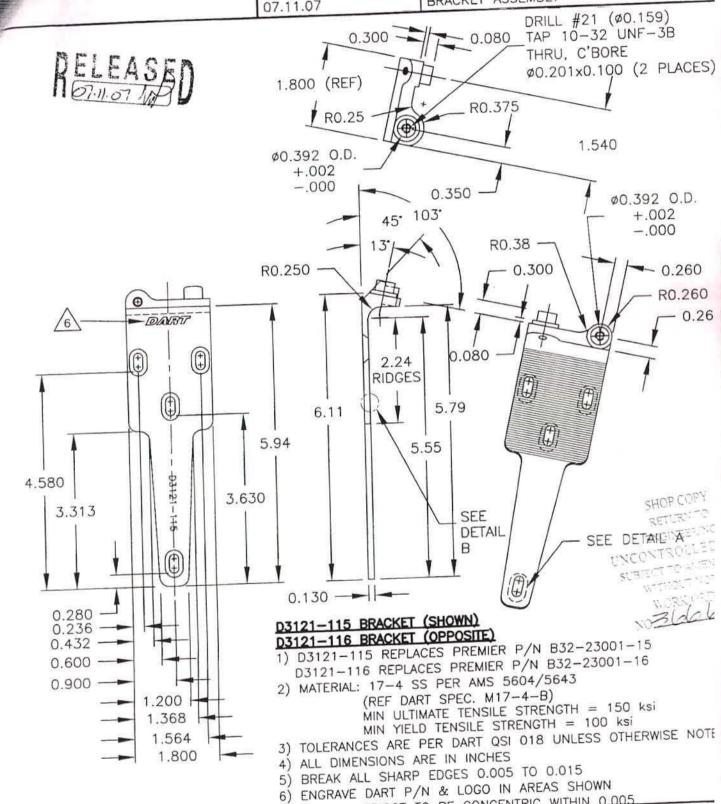


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